

Figure 1  
PRIOR ART

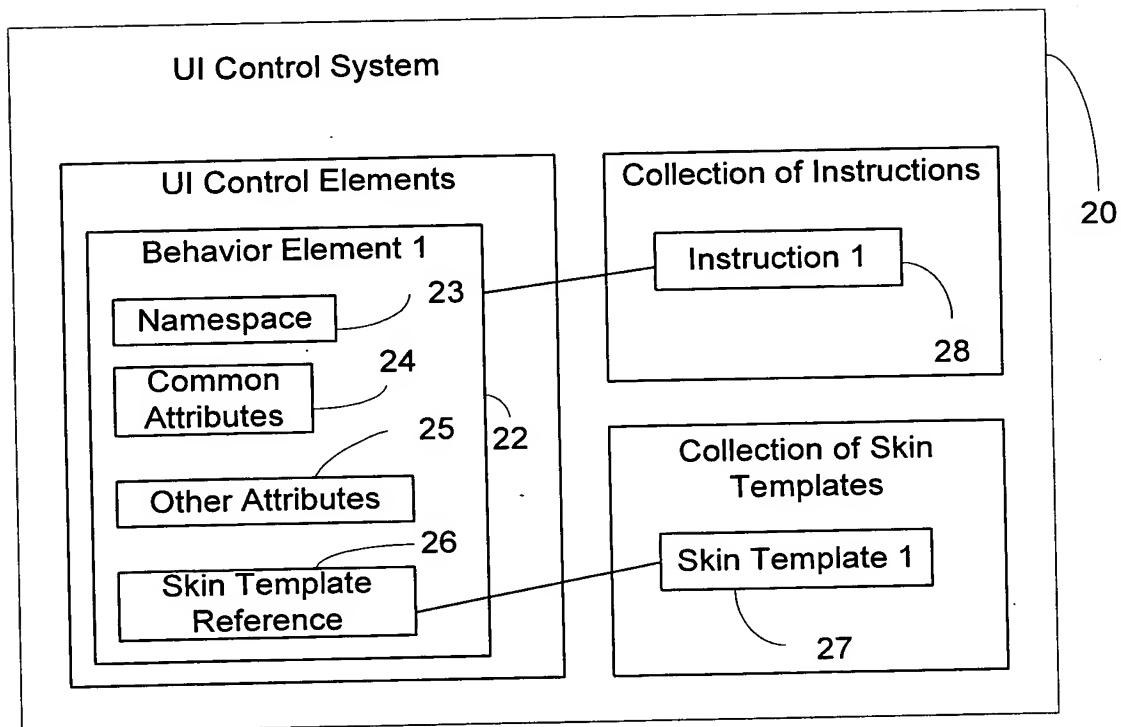


Figure 2

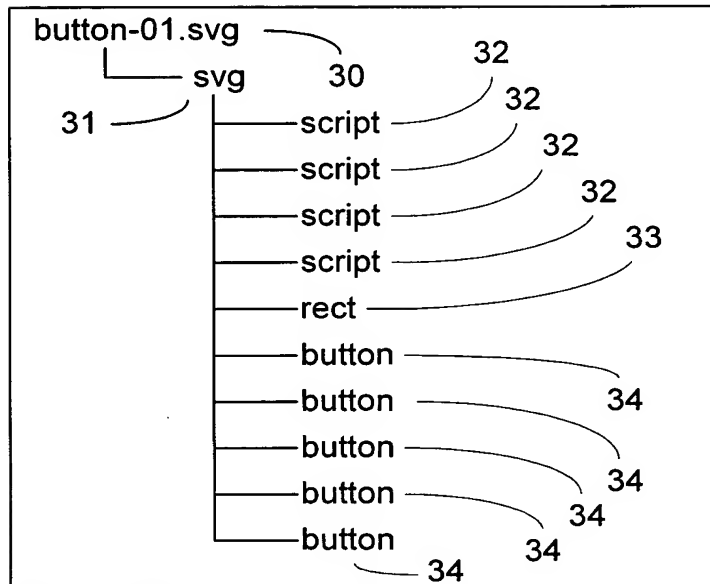


Figure 3



Figure 4A



Figure 4B



Figure 4C



Figure 4D

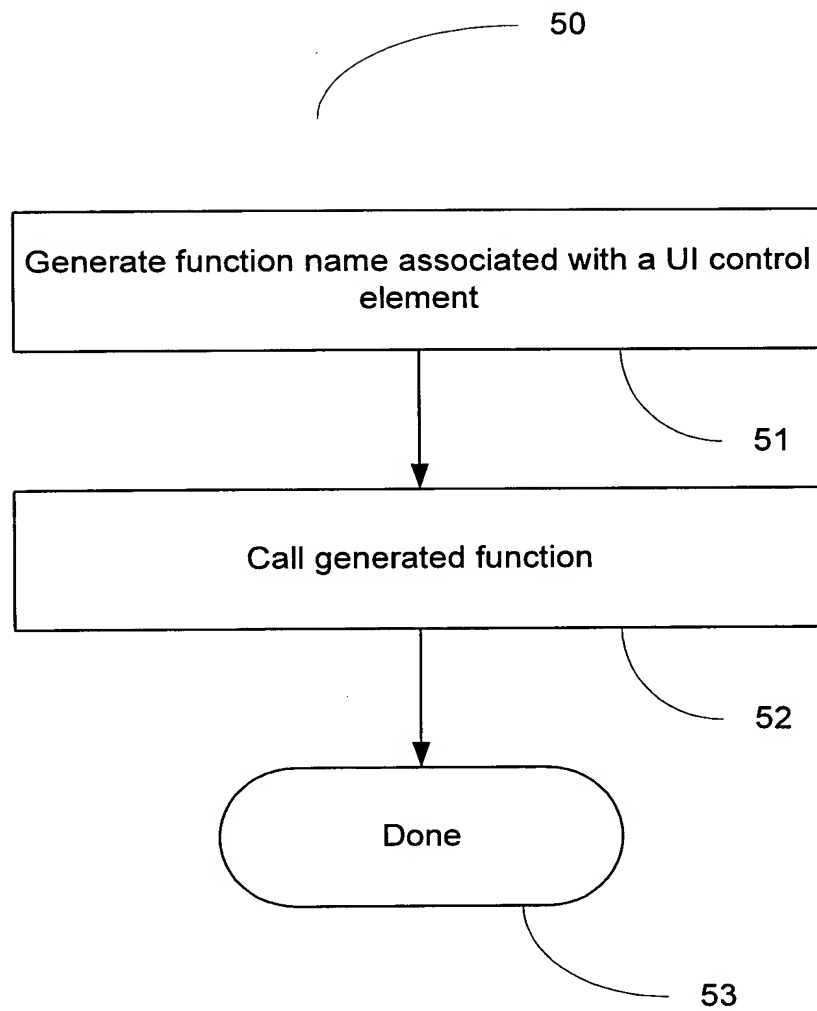


Figure 5

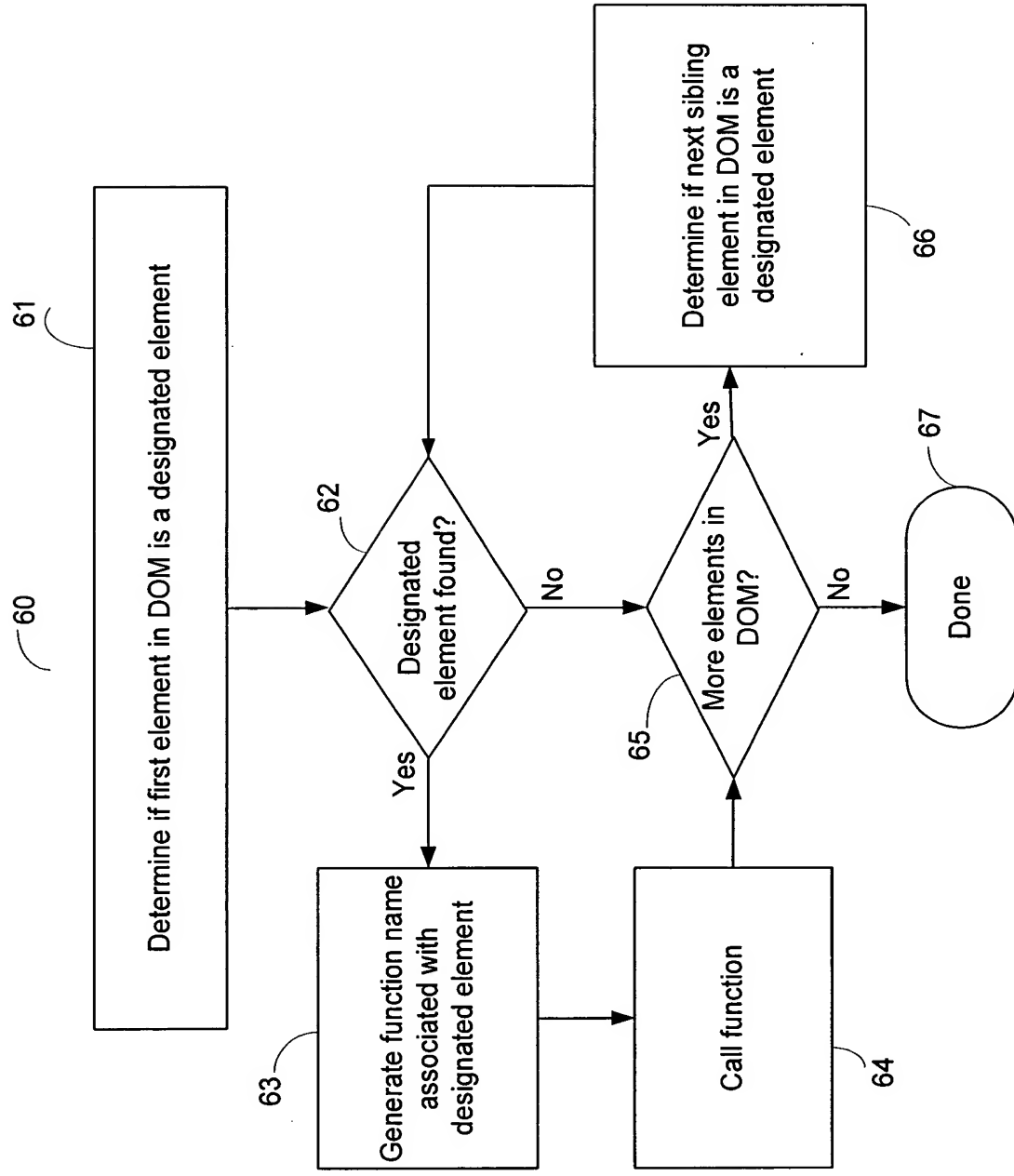


Figure 6

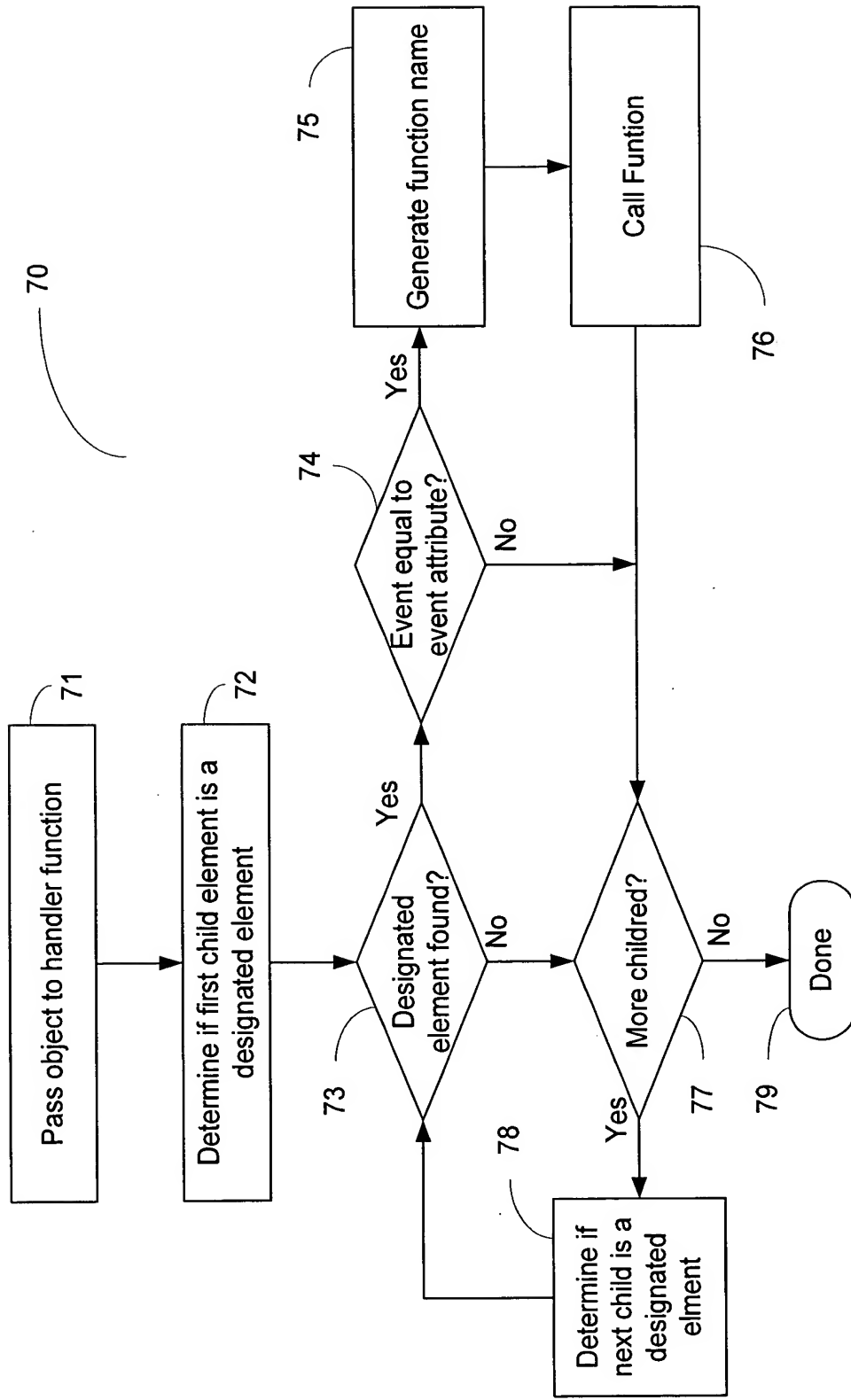
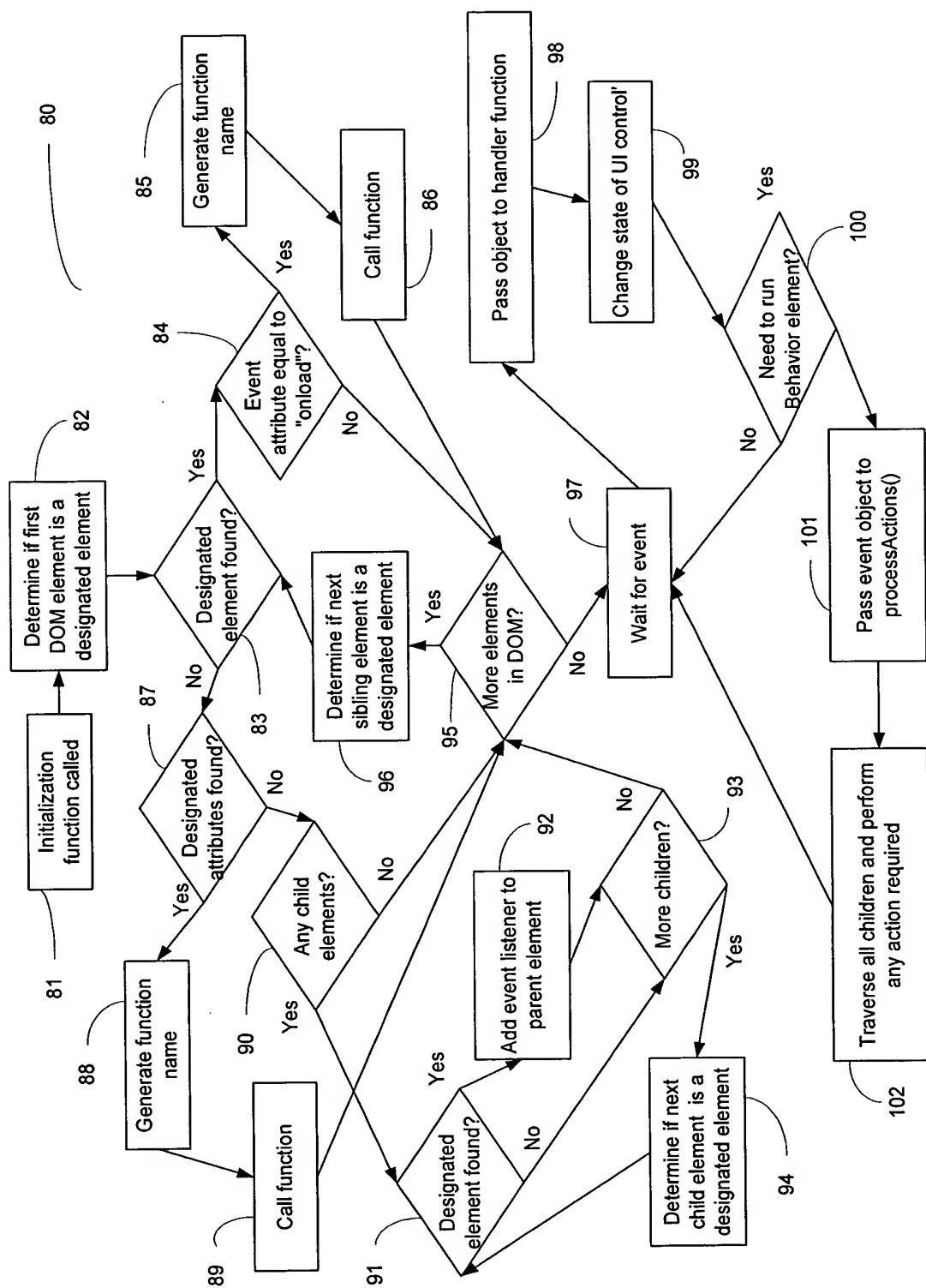


Figure 7



**Figure 8**

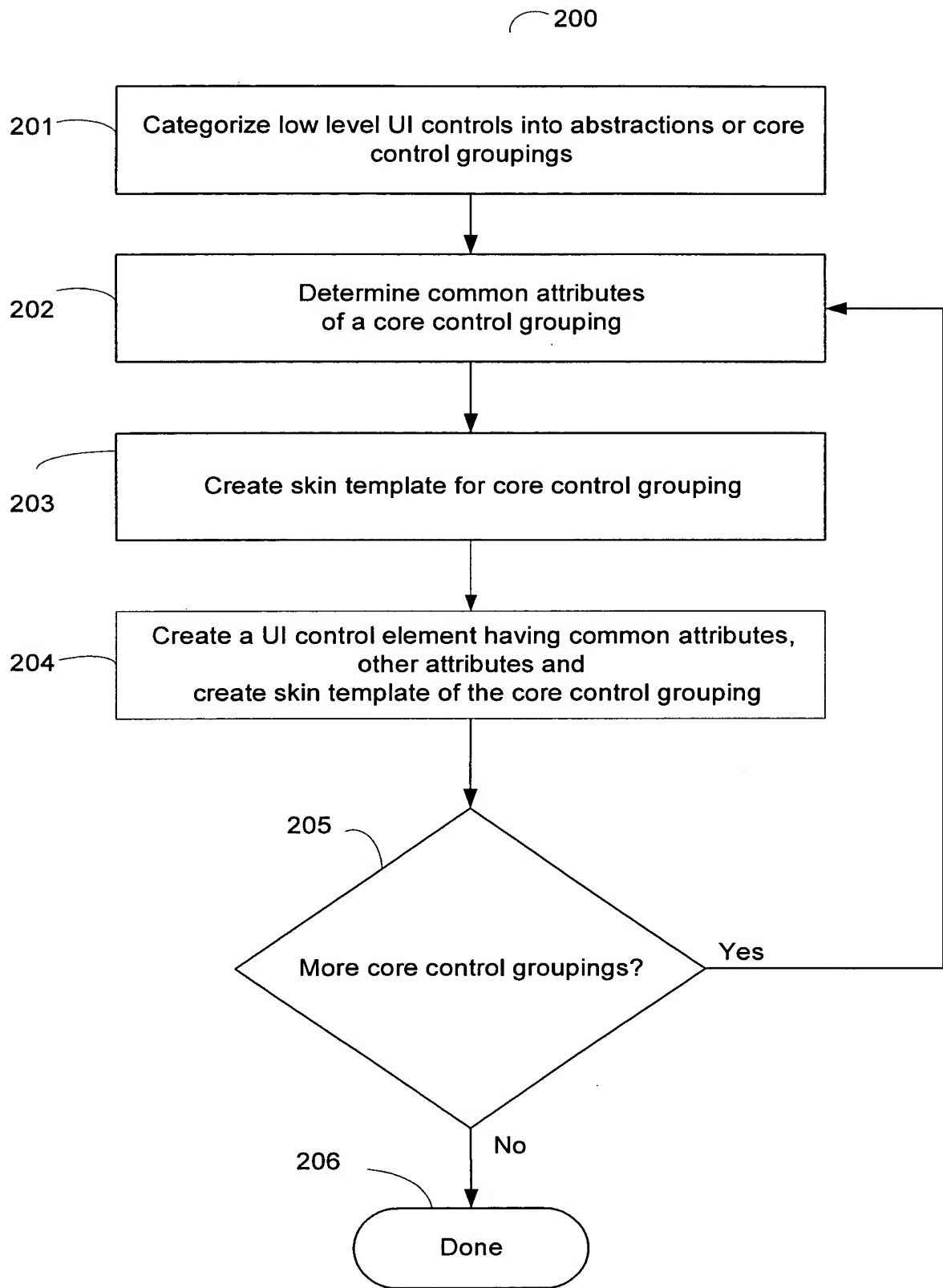


Figure 9



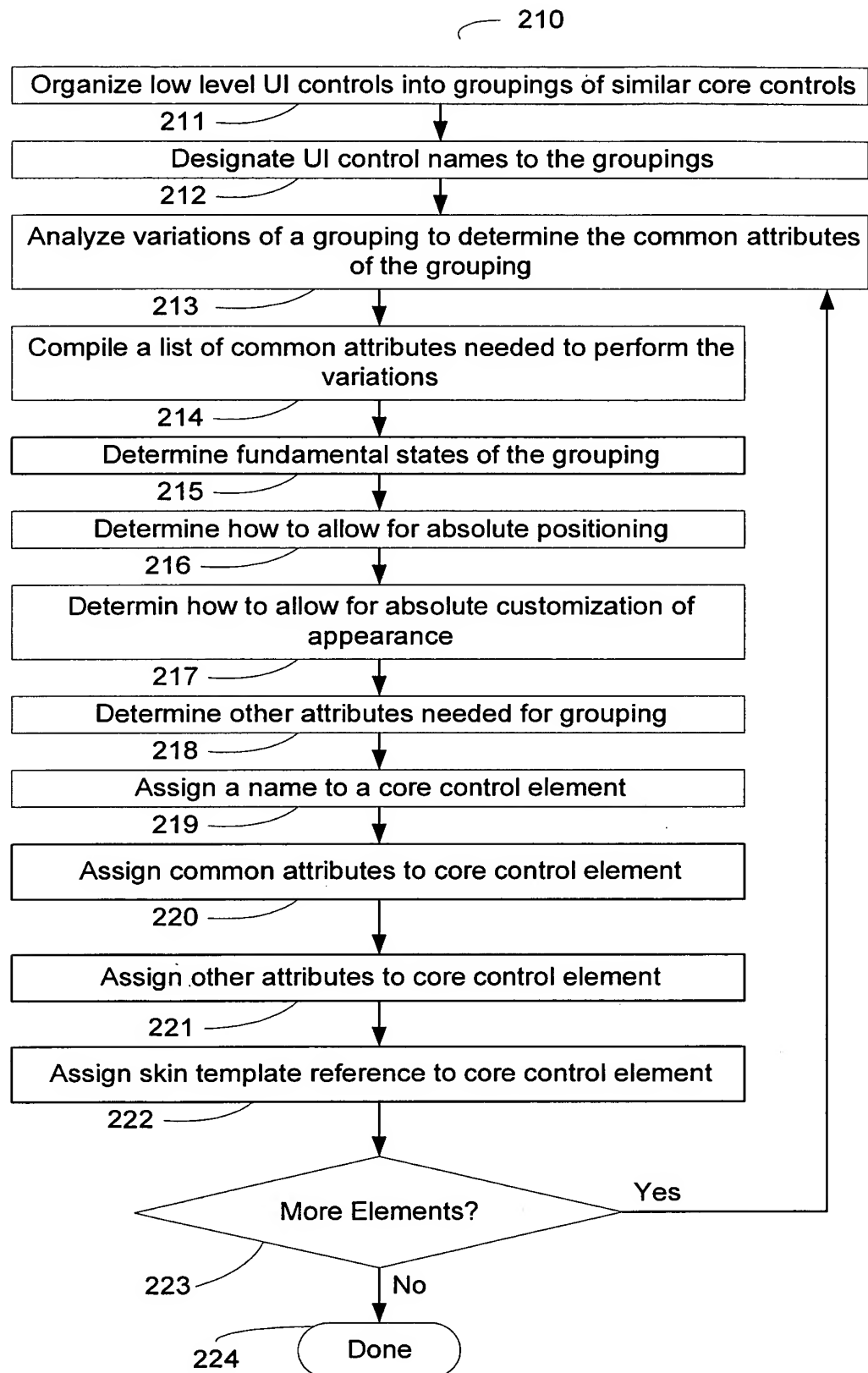
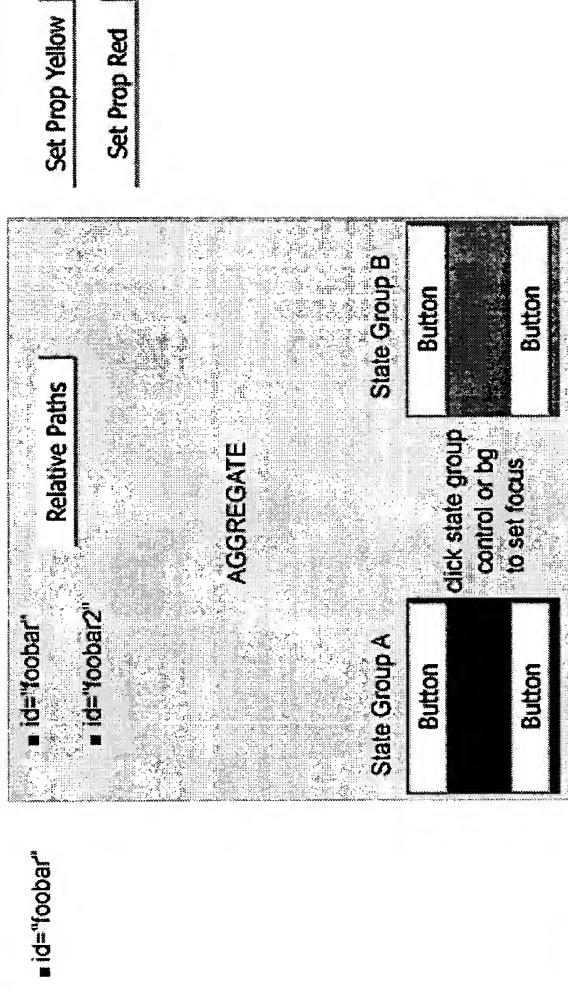


Figure 10

## dSVG sample: Aggregate element



The aggregate element defines a top-level container element

In this sample, the buttons on the left and the blue rectangle are in stateGroup 'a' and the buttons on the right and the red rectangle are in stateGroup 'b'

The relative paths button drills into the alert statements inside itself to demonstrate use of 'this' keyword and into the fills of rectangles 'foobar' and 'foobar2' to demonstrate use of 'aggregate' keyword.

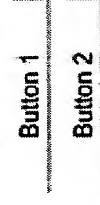
Figure 11

## dSVG sample: Button element

Default button: (Default attributes)



Grouped buttons: (group=one - buttons will behave with a sticky state)



Small button: (h=15, w=80)



Large button: (h=50, w=300)



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\*Note: The red outlines are not part of the controls. They are used to identify the dimensions for each control.

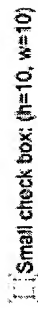
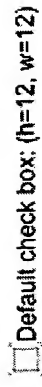
Default button - This button has all of its attributes set to default values.

Grouped buttons - Buttons can belong to a group. If grouped, and toggle="true", this results in the functionality of a radio button.

Small and large buttons - Change the size of a control by specifying new values for the height and width attributes.

Figure 12

## dSVG sample: CheckBox element



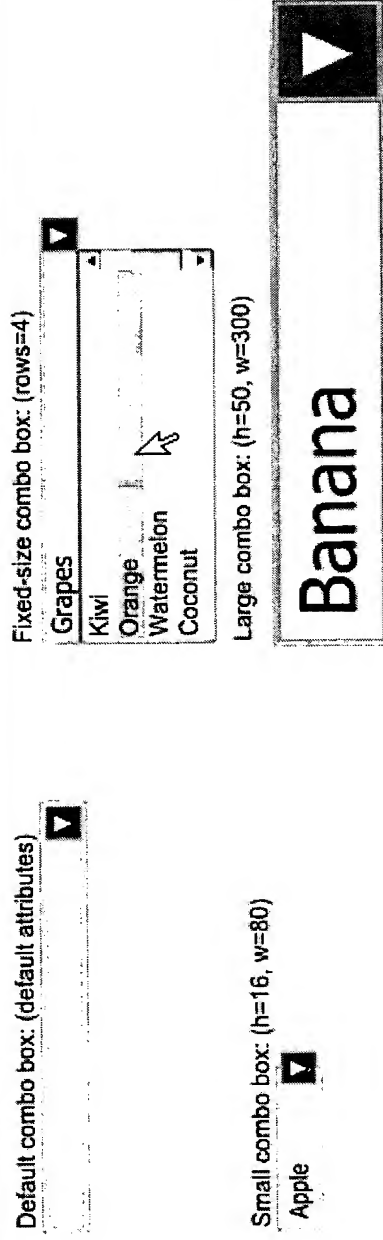
\*Note: The red outlines are not part of the controls. They are used to identify the dimensions for each control.

Default check box - When you select the check box, it toggles between true (selected) and false (deselected).

Small and large check boxes - Change the size of a control by specifying new values for the height and width attributes.

Figure 13

## dSVG sample: ComboBox element



\*Note: The red outlines are not part of the controls. They are used to identify the dimensions for each control.

Default combo box - The default combo box has 3 child item elements: Apple, Banana, Grapes.

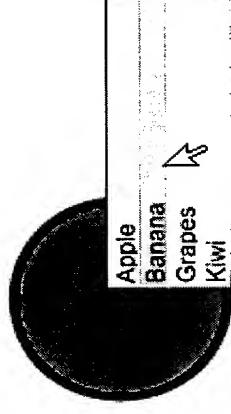
Fixed-size combo box - This combo box displays a maximum of 4 items. If the number of items exceeds 4, a scrollbar is enabled.

Small and large combo boxes - Change the size of a control by specifying new values for the height and width.

Figure 14

## dSVG sample: ContextMenu element

Default Context Menu: (default attributes) - right-click within the circle and the Context Menu should appear.



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Default context menu - Right-click within the circle to display the context menu.

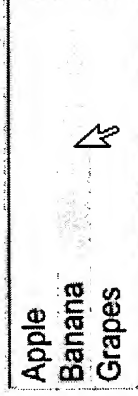
The list consists of items which can be added directly as child elements of the context menu.

The context menu is associated with the circle by adding a `dsvg:contextMenu` attribute to the circle which references the context menu.

Figure 15

## dSVG sample: ListBox element

Default list box: (default attributes)



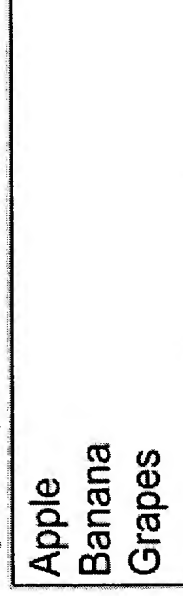
Small list box: (h=25, w=70)



Fixed-size list box: (rows=4)



Large list box: (h=80, w=300)



**\*Note:** The red outlines are not part of the controls. They are used to identify the dimensions for each control.

Default list box - This list box has 3 child item elements: Apple, Banana, Grapes.

Fixed-size list box - This list box displays a maximum of 4 items. If the number of items exceeds 4, a scrollbar is enabled.

Small and large list boxes - Change the size of a control by specifying new values for the height and width.

Figure 16

# dSVG sample: ListView element

Default list view: (default attributes)

plu_1	Apple	\$1.27
plu_2	Banana	\$0.59
plu_3	Orange	\$1.99

Fixed-size list view: (rows=4)

plu_1	Apple	\$1.27
plu_2	Banana	\$0.59
plu_3	Grapes	\$2.19
plu_4	Kiwi	\$0.89

Small list view: (h=25, w=100)

plu_1	Grapes	purple
plu_2	Kiwi	brown
plu_3	Strawberries	purple

Large 4 column list view: (h=100, w=440)

plu_1	Apple	red	\$1.27
plu_2	Banana	yellow	\$0.59
plu_3	Grapes	purple	\$2.19

\*Note: The red outlines are not part of the controls. They are used to identify the dimensions for each control.

Default list view - This list view has 3 child item elements: Apple, Banana, and Orange.


Fixed-size list view - This list view displays a maximum of 4 items. If the number of items exceeds 4, a scrollbar is enabled.


Small and large list views - Change the size of the control by specifying new values for the height and width attributes.


Figure 17




## dSVG sample: SpinBox element

 Default radio button 1: (default attributes)

 Default radio button 2: (default attributes)

 Small radio button: (h=10, w=10, group=smallGroup)

 Large radio button: (h=25, w=25, group=largeGroup)

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\*Note: The red outlines are not part of the controls. They are used to identify the dimensions for each control.

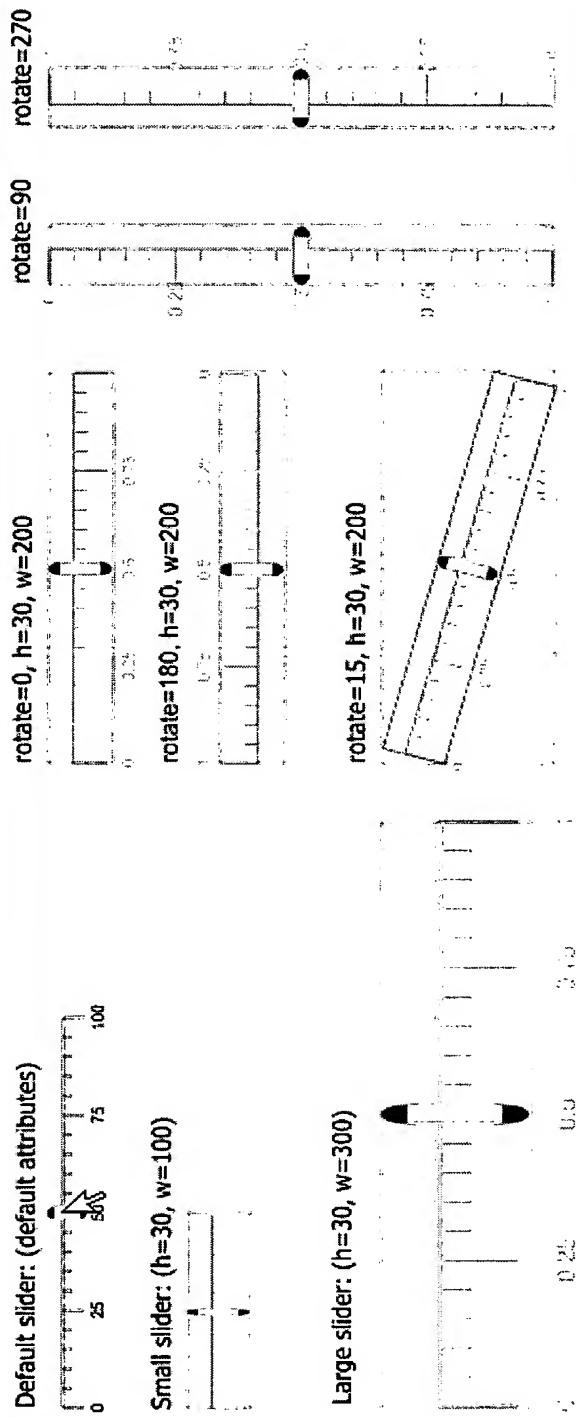
Default, grouped radio buttons - Default radio buttons 1 and 2 belong to the same group.

Small and large radio buttons - Change the size of a control by specifying new values for the height and width attributes.

The default, small, and large radio buttons all belong to their own group. By default the group attribute is set to default.

Figure 18

## dSVG sample:Slider element



**\*Note:** The red outlines are not part of the controls. They are used to identify the dimensions for each control.

Default slider - Represents the default set of attributes.

Small and large sliders - Change the size of the control by specifying new values for the height and width attributes.

Rotated sliders - The rotate attribute is set the number of degrees specified in the label.

Figure 19

## dSVG sample: SpinBox element

Default spin box: (default attributes)



Small spin box: (h=15, w=40, min= -10, max=0, value= -5, increment=1)



Large spin box: (h=36, w=236, min= -100, max= 100, value=0, increment=10)




\*Note: The red outlines are not part of the controls. They are used to identify the dimensions for each control.

Default spin box - This spin box has values of 1 to 10 in increments of 1. The initial value is 1.


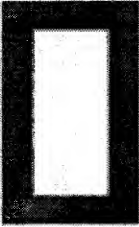
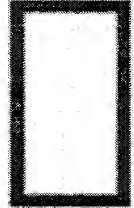
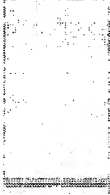
Small and large spin boxes - Change the size of the control by specifying new values for the height and width attributes.

Figure 20

**dSVG sample: State element**

	down green	up green	hover green	focusgreen
	down red	up red	hover red	focus red
	down query	up query	hover query	focus query

States should have the following shapes, but colored appropriately.

Up:	Down:	Hover:	Focus:
			

The state element defines an alternate skin to be available for the parent UI control.  
This sample uses state to override the appearance of the custom button in the top left corner of the slide.  
Pressing a query button returns the current state value to an alert.

Figure 21

## dSVG sample: TextBox Element

Default text box: (default attributes)

Hello world...

Small text box: (h=18 w=80, editable=false)

Read Only!

Large text box: (h=63, w=346, lines=3)

This is line 2...  
This is line 3...  
This is line 4...]

**\*Note:** The red outlines are not part of the controls. They are used to identify the dimensions for each control.

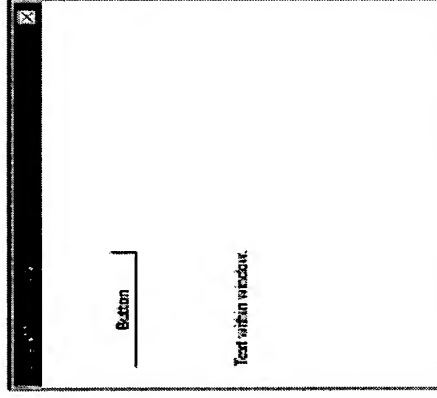
Default text box - This text box uses all of the default attribute settings.

Small text boxes - This text box has the editable attribute set to false which disables the entry of text into the text box.

Large text boxes - Change the size of a control by specifying new values for the height and width attributes.

Figure 22

## dSVG sample: Window element



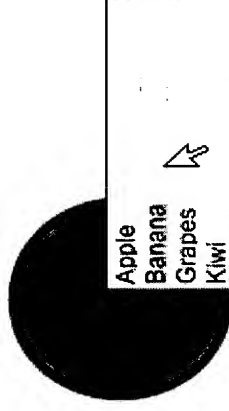
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The window element defines a top-level container element that can be either modal or modeless, and can be moveable or not. In this sample, the button element and the text element are added as children of the window.

Figure 23

## dSVG sample: ContextMenu element

Default Context Menu: (default attributes) - right-click within the circle and the Context Menu should appear.



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Default context menu - Right-click within the circle to display the context menu.

The list consists of items which can be added directly as child elements of the context menu.

The context menu is associated with the circle by adding a `dsvg:contextMenu` attribute to the circle which references the context menu.

Figure 24

## dSVG sample: Share element

List box: (default attributes with the added attribute dsvg:share)

STOP
YIELD
GO

Combo box: (default attributes with the added attribute dsvg:share)

STOP
YIELD
GO

The share element is used to share a group of items with multiple elements.

This document shares the same set of items with the combo box and the list box.

Associate a share element with other elements by adding a dsvg:share attribute to the element that references the share element.

Figure 25



## dSVG sample: toolTip (added attribute)



mouse over red circle, Tool Tip should appear.



Tool Tip w/ Tip Tracking applied.



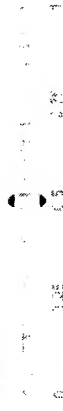
Tool Tip w/ Tip Tracking and Tip Delay applied.

mouseover any of the UI controls to display its tooltip.



radio button

slider



spinbox



textbox



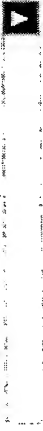
listbox



listview



combobox



Content of file: dsvg:toolTip  
The dsvg:toolTip attribute is applied to elements to enable the ability to display tooltips.  
Tip tracking and Tip Delay are added as separate attributes if desired.

Figure 26